

On page 7, line 15, after "5' AGT TTT CCA TAC TGA TTG CCG C 3'", please insert --
(SEQ ID NO:2)--.

On page 7, line 20, after "5' TCC CTC ~~AGG~~ ATG CTA AAC CAG 3'", please insert --
(SEQ ID NO:3)--.

On page 7, line 21, after "5' TCG ATT TAT TCA ACA-AAG CAA C 3'", please insert --
(SEQ ID NO:4)--.

On page 7, line 26, after "5' AAC TGC TGG GTA TGT GGC TGG 3'", please insert --
(SEQ ID NO:5)--.

On page 7, line 27, after "5' TGC TGA CCT GCC TCT TCC ATG 3'", please insert --
(SEQ ID NO:6)--.

On page 8, line 3, after "5' CTG GCG AAA GAC TGT ATC ATT G 3'", please insert --
(SEQ ID NO:7)--.

On page 8, line 4, after "5' TAA TGT ATA GAA ATC CGC TGT T 3'", please insert --
(SEQ ID NO:8)--.

On page 8, line 8, after "5' TTT CTG GAT GGT ATG GTG AGG 3'", please insert --
(SEQ ID NO:9)--.

On page 8, line 9, after "5' CTT GAA CAT AAG GAA ATA AAC 3'", please insert --
(SEQ ID NO:10)--.

On page 8, line 13, after "5' CAG GGT AAA AGA AAG ATG ATA AG 3'", please insert --
(SEQ ID NO:11)--.

On page 8, line 14, after "5' AAT ATG GGG ACC ATG TAT TAT C 3'", please insert --
(SEQ ID NO:12)--.

On page 8, line 18, after "5' CCC GCA CCC GGC ACA AGC ATA AG 3'", please insert --
(SEQ ID NO:13)--.

On page 8, line 19, after "5' AGT CTC GCC AGT ATT CGC CAC C 3'", please insert --
(SEQ ID NO:14)--.

On page 8, line 23, after "5' ATG AAA AAA ACA TTA TTA ATA GC 3'", please insert --
(SEQ ID NO:15)--.

On page 8, line 24, after "5' TCA CYG AGC TAT TCT GAG TCA AGC 3'", please insert --
(SEQ ID NO:16)--.

On page 8, line 28, after "5' ATG AAG AAG ATR WTT RTD GCR GYT TTA TTY G 3'", please insert --(SEQ ID NO:17)--.

On page 8, line 29, after "5' TCA GTC ATW ATT AAA CTG CAC YTS RGC AAA KCC 3'", please insert --(SEQ ID NO:18)--.

On page 9, line 18, after "5' AGC TCC CCA GTC TAT TAC AGA ACT ATG 3'", please insert --(SEQ ID NO:19)--.

On page 9, line 23 after "5' ACA TAC GTT ACA GAC ATA ATC AGA ATC AG 3'", please insert --(SEQ ID NO:20)--.

On page 9, line 28, after "5' ATG AAG GGG CGA AGT TCT GGC TCA ATG TGC 3'", please insert --(SEQ ID NO:21)--.

On page 10, line 3 after "5' CTC TTT TA CTT ATG ATA TGT AAT GTC TGG 3'", please insert --(SEQ ID NO:22)--.

On page 10, line 7, after "5' CAA AAA CAG AAG AAC CTA TGT CTA CCT 3'", please insert --(SEQ ID NO:23)--.

On page 10, line 11, after "5' CTT GGA GTG ATC GAA CGG GAT CCA AAT 3'", please insert --(SEQ ID NO:24)--.

On page 10, line 15, after "5' TAA ACG GGT ATT ATC AAC AGA AAA ATC C 3'", please insert --(SEQ ID NO:25)--.

On page 10, line 20, after "5' TCG CTG AAT CCC CCT CCA TTA TGA CAG GCA 3'", please insert --(SEQ ID NO:26)--.

On page 10, line 25, after "5' CAG GTA CTG GAT TTG ATT GTG ACA GTC ATT 3'", please insert --(SEQ ID NO:27)--.

On page 12, line 5, after "5' GCG TTA CTA TCC TCT CTA TGT G 3'", please insert --(SEQ ID NO:1)--.

On page 12, line 6, after "5' AGT TTT CCA TAC TGA TTG CCG C 3'", please insert --(SEQ ID NO:2)--.

On page 12, line 11 after "5' TCC CTC AGG ATG CTA AAC CAG 3'", please insert --(SEQ ID NO:3)--.

On page 12, line 12, after "5' TCG ATT TAT TCA ACA AAG CAA C 3'", please insert --(SEQ ID NO:4)--.

On page 12, line 17, after "5' AAC TGC TGG GTA TGT GGC TGG 3'", please insert --(SEQ ID NO:5)--.

On page 12, line 18, after "5' TGC TGA CCT GCC TCT TCC ATG 3'", please insert --
(SEQ ID NO:6)--.

On page 12, line 22, after "5' CTG GCG AAA GAC TGT ATC ATT G 3'", please insert --
(SEQ ID NO:7)--.

On page 12, line 23, after "5' TAA TGT ATA GAA ATC CGC TGT T 3'", please insert --
(SEQ ID NO:8)--.

On page 12, line 27, after "5' TTT CTG GAT GGT ATG GTG AGG 3'", please insert --
(SEQ ID NO:9)--.

On page 12, line 28, after "5' CTT GAA CAT AAG GAA ATA AAC 3'", please insert --
(SEQ ID NO:10)--.

On page 13, line 3, after "5' CAG GGT AAA AGA AAG ATG ATA AG 3'", please insert --
(SEQ ID NO:11)--.

On page 13, line 4, after "5' AAT ATG GGG ACC ATG TAT TAT C 3'", please insert --
(SEQ ID NO:12)--.

On page 13, line 8, after "5' CCC GCA CCC GGC ACA AGC ATA AG 3'", please insert --
(SEQ ID NO:13)--.

On page 13, line 9, after "5' AGT CTC GCC AGT ATT CGC CAC C 3'", please insert --
(SEQ ID NO:14)--.

On page 13, line 13, after "5' ATG AAA AAA ACA TTA TTA ATA GC 3'", please insert --
(SEQ ID NO:15)--.

On page 13, line 14, after "5' TCA CYG AGC TAT TCT GAG TCA AGC 3'", please insert --
(SEQ ID NO:16)--.

On page 13, line 20, after "5' ATG AAG AAG ATR WTT RTD GCR GYT TTA TTY G 3'", please insert --
(SEQ ID NO:17)--.

On page 14, line 21, after "5' TCA GTC ATW ATT AAA CTK CAC YTS RGC AAA KCC 3'", please insert --
(SEQ ID NO:18)--.

On page 14, line 6, after "5' AGC TCC CCA GTC TAT TAC AGA ACT ATG 3'", please insert --
(SEQ ID NO:19)--.

On page 14, line 10, after "5' ACA TAC GTT ACA GAC ATA ATC AGA ATC AG 3'", please insert --
(SEQ ID NO:20)--.

On page 14, line 14, after "5' ATG AAG GGG CGA AGT TCT GGC TCA ATG TGC 3'",
please insert --(SEQ ID NO:21)--.

On page 14, line 18 after "5' CTC TTT TA CTT ATG ATA TGT AAT GTC TGG 3'",
please insert --(SEQ ID NO:22)--.

On page 14, line 21, after "5' CAA AAA CAG AAG AAC CTA TGT CTA CCT 3'",
please insert --(SEQ ID NO:23)--.

On page 14, line 24, after "5' CTT GGA GTG ATC GAA CGG GAT CCA AAT 3'",
please insert --(SEQ ID NO:24)--.

On page 14, line 27, after "5' TAA ACG GGT ATT ATC AAC AGA AAA ATC C 3'",
please insert --(SEQ ID NO:25)--.

On page 14, line 30, after "5' TCG CTG AAT CCC CCT CCA TTA TGA CAG GCA 3'",
please insert --(SEQ ID NO:26)--.

On page 15, line 3, after "5' CAG GTA CTG GAT TTG ATT GTG ACA GTC ATT 3'",
please insert --(SEQ ID NO:27)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 4th line of text, after
"CTA TGT G ", please insert --(SEQ ID NO:1)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 6th line of text, after
"TTG CCG C ", please insert --(SEQ ID NO:2)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 8th line of text, after
"AAC CAG ", please insert --(SEQ ID NO:3)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 10th line of text, after
"AAG CAA C ", please insert --(SEQ ID NO:4)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 12th line of text, after
"TGT ATC ATT G ", please insert --(SEQ ID NO:7)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 14th line of text, after
"CGC TGT T ", please insert --(SEQ ID NO:8)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 16th line of text, after
"GTG AGG ", please insert --(SEQ ID NO:9)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 18th line of text, after
"GAA ATA AAC ", please insert (SEQ ID NO:10)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 20th line of text, after
"AAG ATG ATA AG ", please insert --(SEQ ID NO:11)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 22th line of text, after "ATG TAT TAT C ", please insert --(SEQ ID NO:12)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 24th line of text, after "ACA AGC ATA AG ", please insert --(SEQ ID NO:13)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 26th line of text, after "CGC CAC C ", please insert --(SEQ ID NO:14)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 28th line of text, after "TTA TTA ATA GC", please insert --(SEQ ID NO:15)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 30th line of text, after "GAG TCA AGC", please insert --(SEQ ID NO:16)--.

On page 31, in Table 2 in the column entitled "Sequence", at the 33rd line of text, after "GYT TTA TTY G", please insert --(SEQ ID NO:17)--.

On page 32, in Table 2 in the column entitled "Sequence", at the 4th line of text, after "RGC AAA KCC ", please insert --(SEQ ID NO:18)--.

On page 32, in Table 2 in the column entitled "Sequence", at the 3rd line of text, after "GCA TTG", please insert --(SEQ ID NO: 28)--.

On page 32, in Table 2 in the column entitled "Sequence", at the 5th line of text, after "CGG TGT AAC", please insert --(SEQ ID NO: 29)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 3rd line of text, after "AGC TCC CCA GTC TAT TAC AGA ACT ATG ", please insert --(SEQ ID NO:19)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 4th line of text, after "ACA TAC GTT ACA GAC ATA ATC AGA ATC AG ", please insert --(SEQ ID NO:20)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 5th line of text, "CTC TTT TA CTT ATG ATA TGT AAT GTC TGG ", please insert --(SEQ ID NO:22)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 6th line of text, "CAA AAA CAG AAG AAC CTA TGT CTA CCT ", please insert --(SEQ ID NO:23)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 7th line of text, "CTT GGA GTG ATC GAA CGG GAT CCA AAT ", please insert --(SEQ ID NO:24)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 8th line of text, "TAA ACG GGT ATT ATC AAC AGA AAA ATC C", please insert --(SEQ ID NO:25)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 9th line of text, after "TCG CTG AAT CCC CCT CCA TTA TGA CAG GCA ", please insert --(SEQ ID NO:26)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 10th line of text, after "CAG GTA CTG GAT TTG ATT GTG ACA GTC ATT ", please insert --(SEQ ID NO:27)--.

On page 33, in Table 3 in the column entitled "Probe for Taqman™", at the 11th line of text, after "ATG TCT GAA CTG GGC CTG AAT GCC AGC GCC ", please insert --(SEQ ID NO:30)--.

Remarks

The amendments to the specification and claims are being made to comply with the requirements for Sequence Listing Rules under 37 C.F.R. § 1.821-§ 1.825. The amendments assign sequence identifier numbers to sequences disclosed in the specification as required by 37 C.F.R. 1.821(d). Thus, no new matter is added by these amendments.

This Preliminary Amendment is accompanied by a paper copy of the Sequence Listing (Exhibit A), a computer readable copy of the Sequence Listing (Exhibit B), a Statement under 37 C.F.R. § 1821(f) (Exhibit C), and a copy of the Notice to Comply with the Sequence Listing Rules (Exhibit D). Please enter the Sequence Listing (Exhibit A) into the specification of the above-referenced application.

No fee is believed due. The Assistant Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment to Deposit Account No. 50-1189. Docket No.: 20239-706. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,

Dated: May 11, 2000

By: 

Carol M. Gruppi
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